

- 21 -

CLAIMS

1. ~~A therapeutic bed comprising:~~

a base frame,

a patient support platform rotatably mounted on the base frame for rotational movement about a longitudinal rotational axis of the patient support platform, and

drive means for rotation of the patient support platform on the base frame,

characterised in that there is provided guide means for patient care lines at one or both ends of the patient support platform for guiding the patient care lines between a patient on the patient support platform and associated apparatus externally of the patient support platform, said guide means being mounted at or adjacent the longitudinal rotational axis of the patient support platform.

2. A therapeutic bed as claimed in claim 1, wherein means is provided for securing the patient care lines ~~on the guide means.~~

3. A therapeutic bed as claimed in claim 1 or 2 wherein the guide means comprises a tubular guide for through passage of the patient care line or lines.

4. ~~A therapeutic bed as claimed in claim 3, wherein the tubular guide has a bore for through passage of the patient care lines and a bore insert is provided for engagement within the bore, the bore insert having a number of spaced-apart slots about a periphery of the~~

Sub
B3

5

10

15

20

25

30

35

Sub
B4

- 25 -

Sub
B7

~~wherein means is provided to lock each rail on the patient support platform when the patient support platform is in an inverted position.~~

Sub
B9

- 5 19. A therapeutic bed as claimed in any preceding claim wherein one or more hinged panels are provided in the patient support platform to provide access to a patient when the patient support platform is in an inverted position,

10

each panel having panel locking means to secure the panel in a closed position on the patient support platform,

15

panel sensing means being provided to sense locking engagement of the panel with the patient support platform,

20

said panel sensing means being operatively connected to the controller for the drive means such that the drive means will only operate if the panel is locked in a closed position on the patient support platform.

25

20. A therapeutic bed as claimed in any preceding claim wherein there is provided, means for sensing the orientation of the patient support platform on the base frame, and means for controlling operation of the drive means in response to the sensed position of the patient support platform on the base frame.

30

21. A therapeutic bed as claimed in claim 20, wherein the sensing means comprises a ring mounted on the patient support platform co-axially with the rotational axis of the patient support platform,

35

the ring having a first series of slots spaced at 1°

09701739.063004

- 26 -

~~intervals about the ring,~~

the ring having a number of sets of location slots spaced-apart about the ring, each set of location slots giving an indication of a particular orientation of the patient support platform relative to the base frame,

and a complementary position reader associated with the disc, the position reader being mounted on the base frame and having complementary light emitter and receiver pairs supported at opposite sides of the disc for cooperation with the slots in the disc to determine the orientation of the patient support platform on the base frame.

22. A therapeutic bed as claimed in claim 20 or claim 21 wherein the ring has a number of parking slots located about the ring defining a number of parking locations for the patient support platform on the base frame at which a locking bolt is engagable between the patient support platform and the base frame to lock the patient support platform on the base frame.

20

25

30